FIG. 1

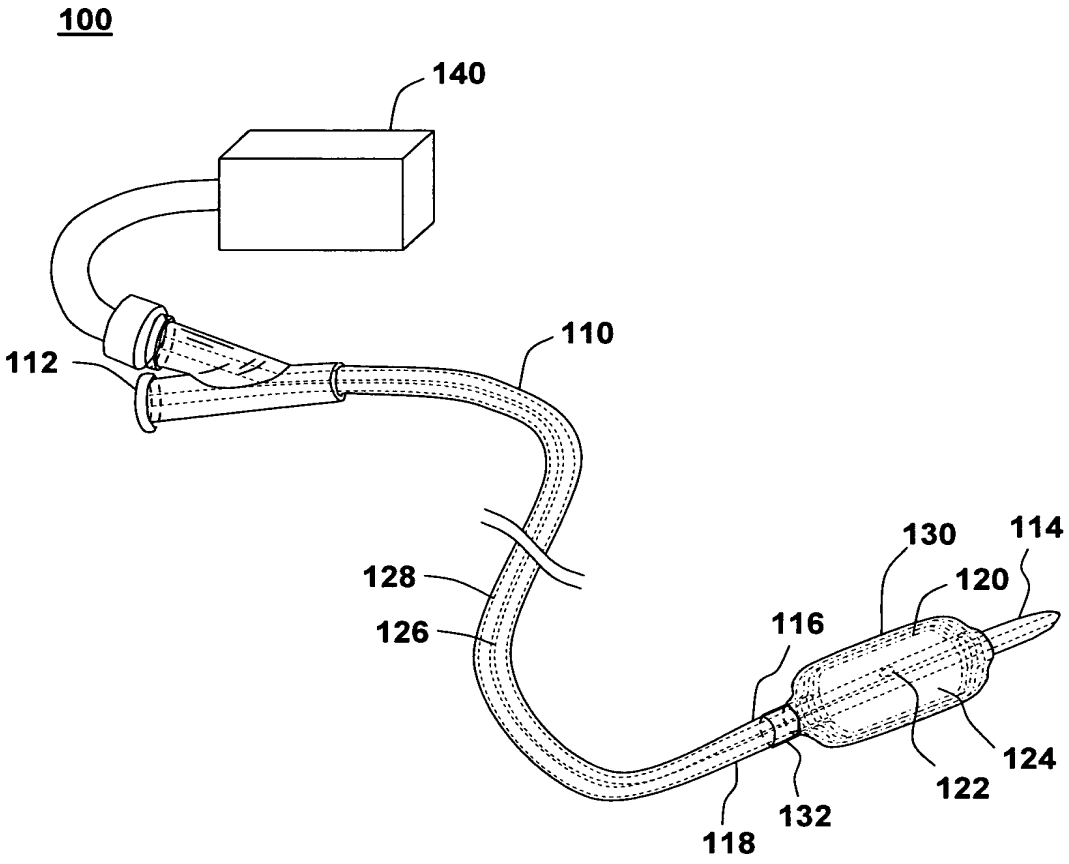


FIG. 2a

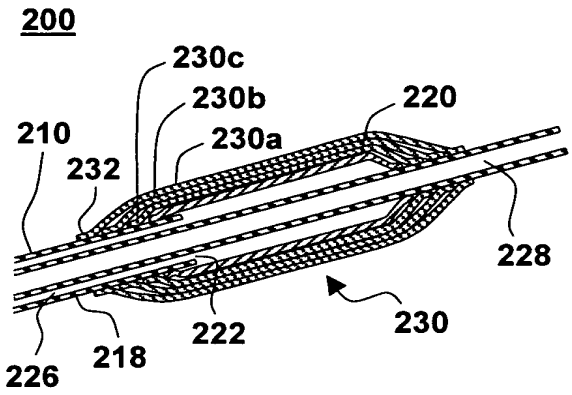


FIG. 2b

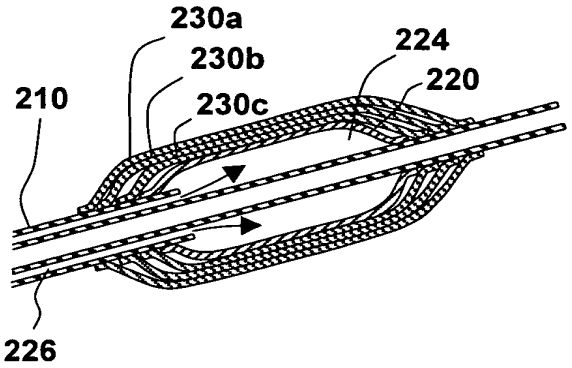


FIG. 2c

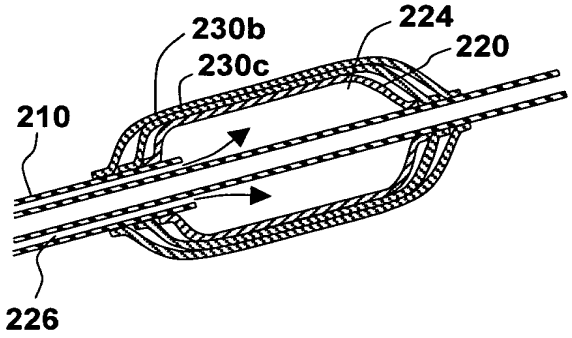


FIG. 2d

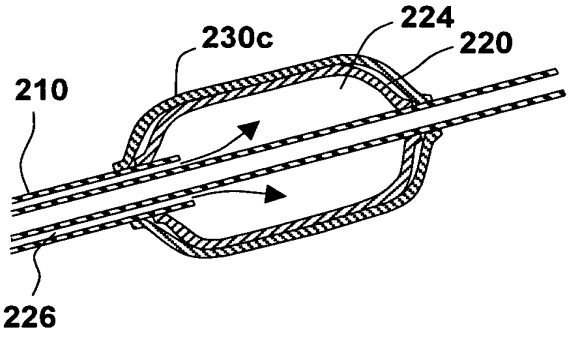


FIG. 2e

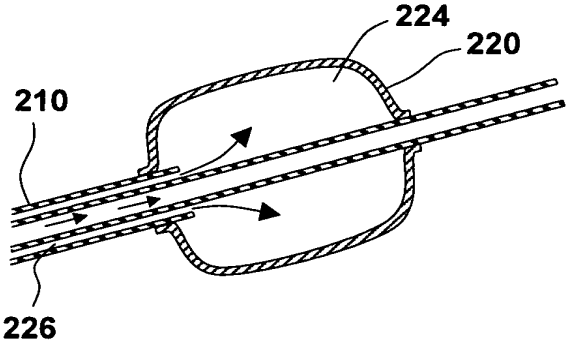


FIG. 3a

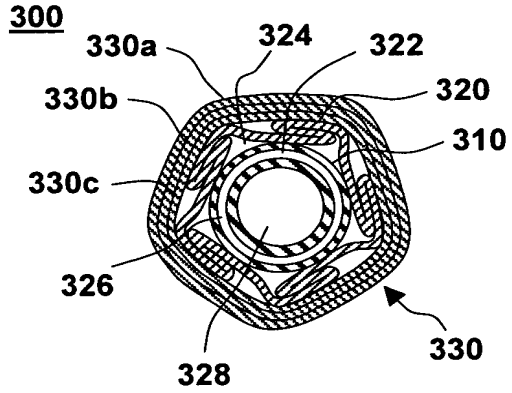


FIG. 3b

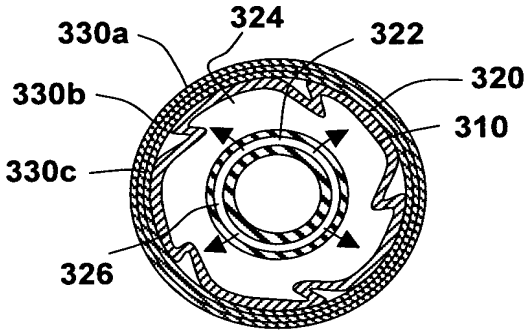


FIG. 3c

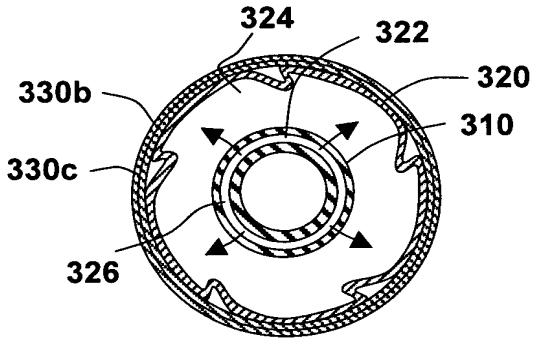


FIG. 3d

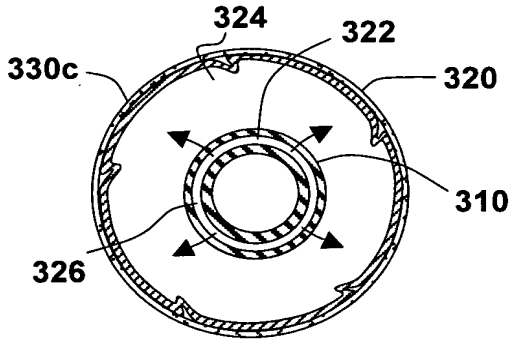


FIG. 3e

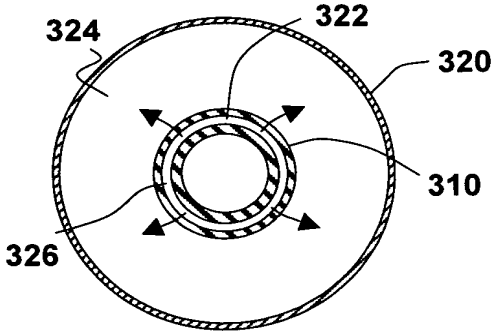


FIG. 4

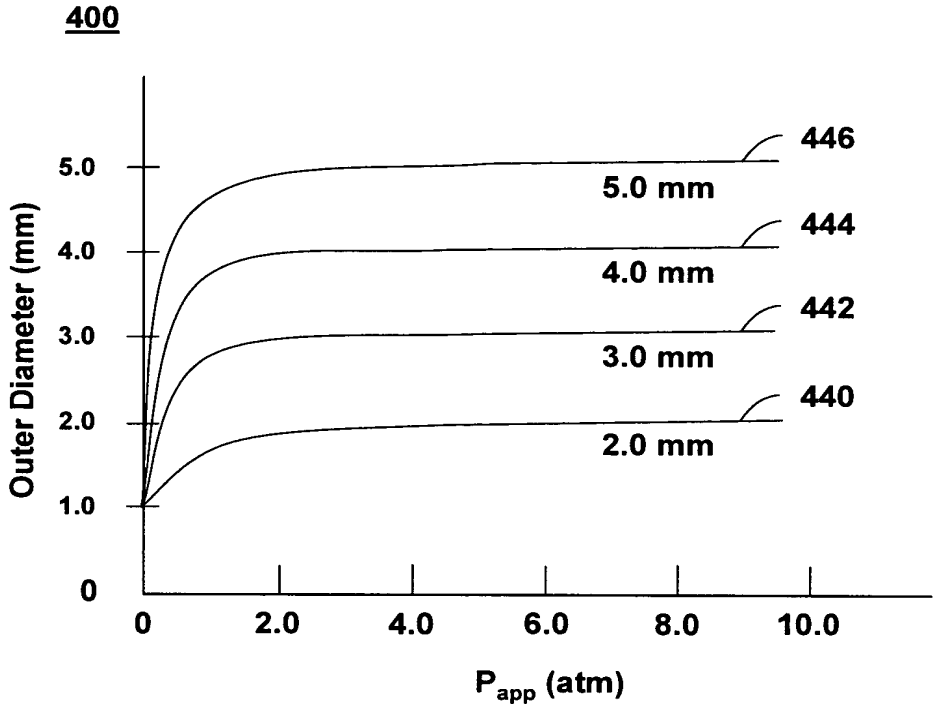

400
Outer Diameter (mm)
5.0
4.0
3.0
2.0
1.0
0
0
2.0
4.0
6.0
8.0
10.0
P_{app} (atm)
446
5.0 mm
444
4.0 mm
442
3.0 mm
440
2.0 mm

FIG. 5a

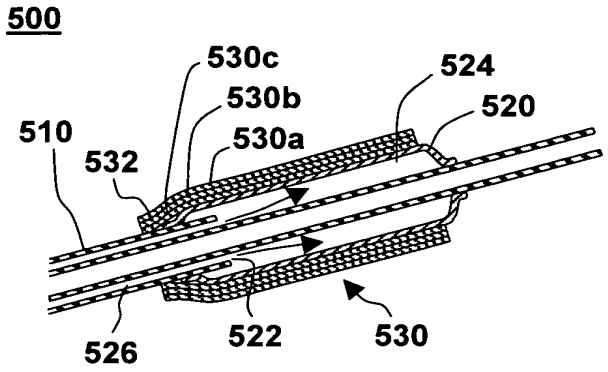


FIG. 5b

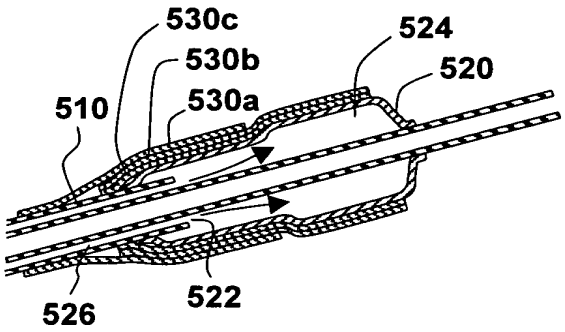


FIG. 5c

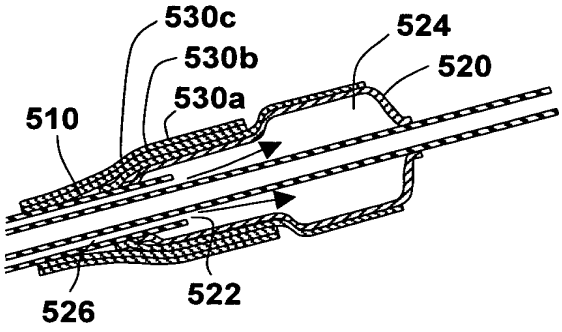


FIG. 5d

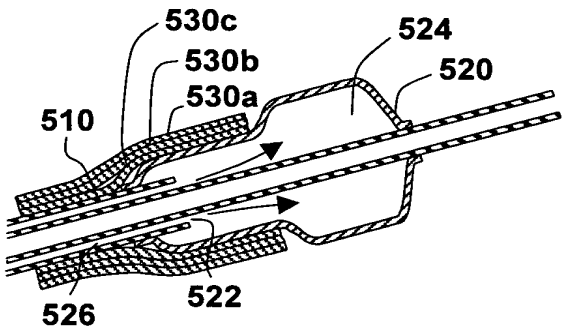


FIG. 5e

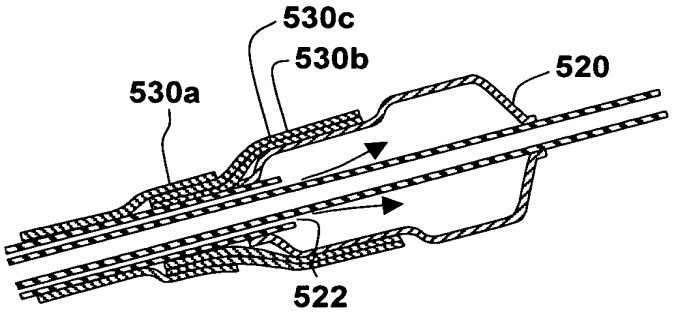


FIG. 6

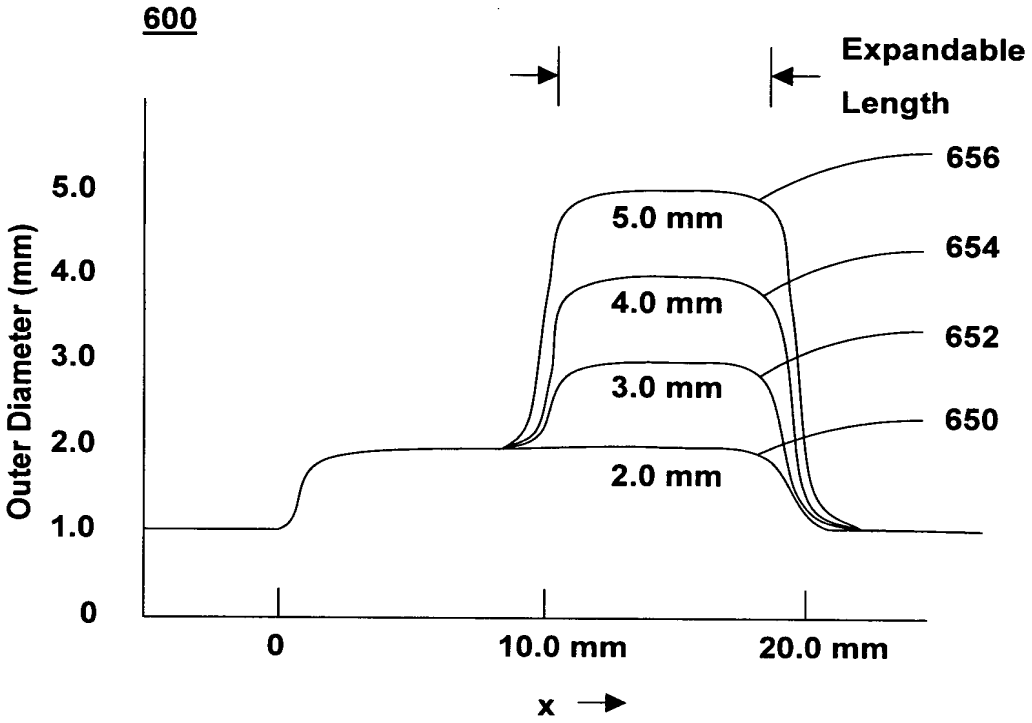
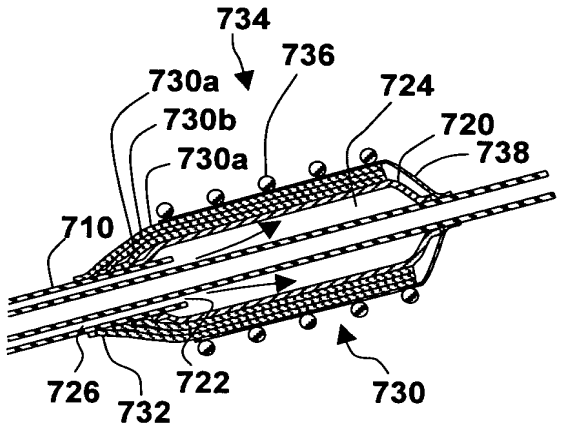

600
Expandable
Length
656
654
652
650
5.0 mm
4.0 mm
3.0 mm
2.0 mm
Outer Diameter (mm)
5.0
4.0
3.0
2.0
1.0
0
0
10.0 mm
20.0 mm
x

FIG. 7a

FIG. 7b



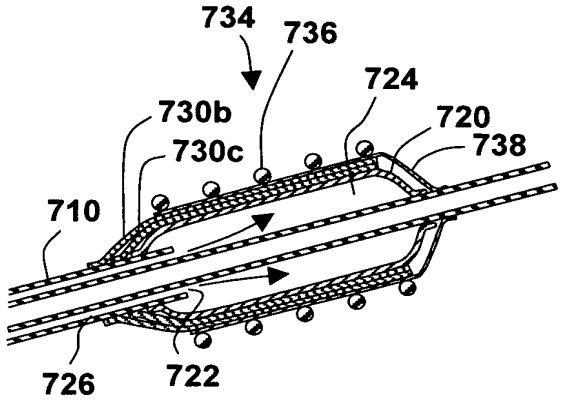
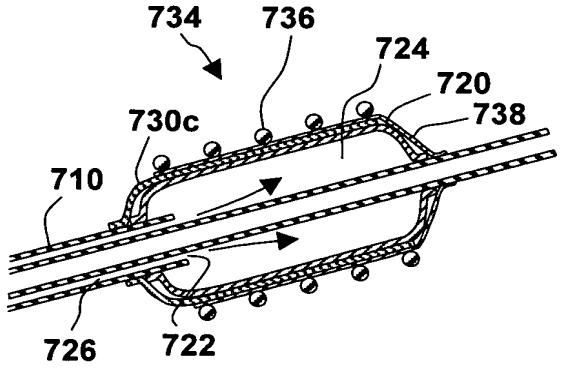


FIG. 7c

FIG. 7d



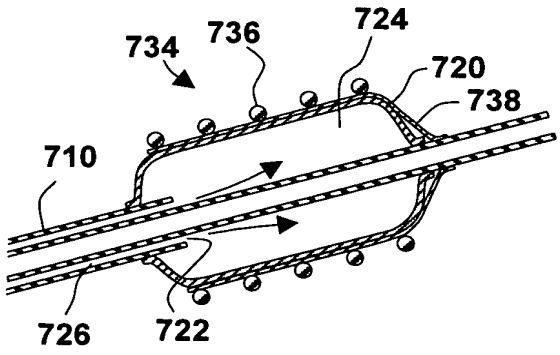


FIG. 8

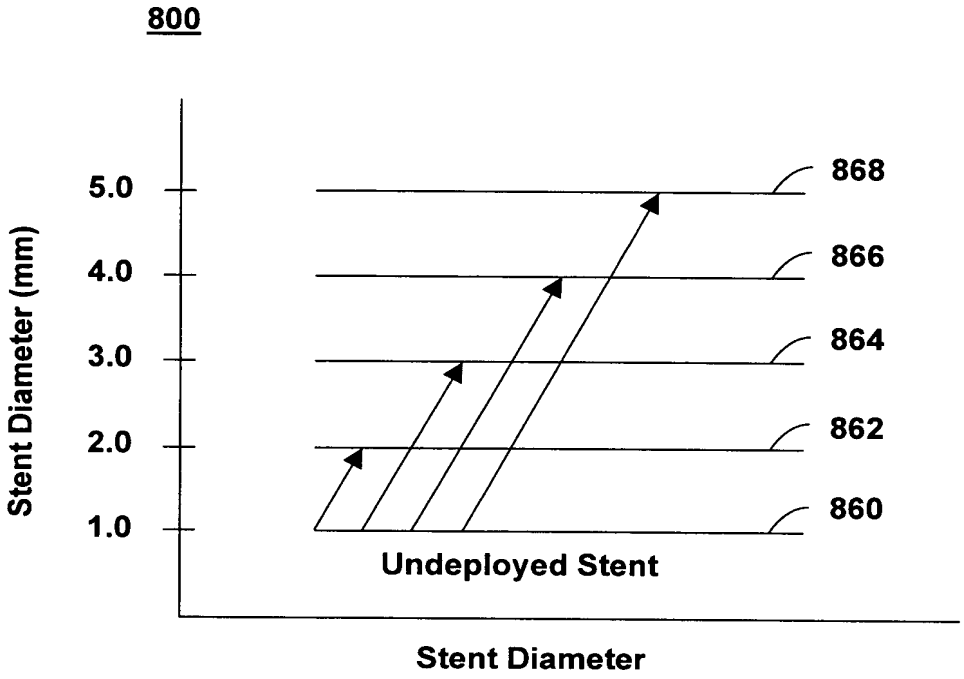
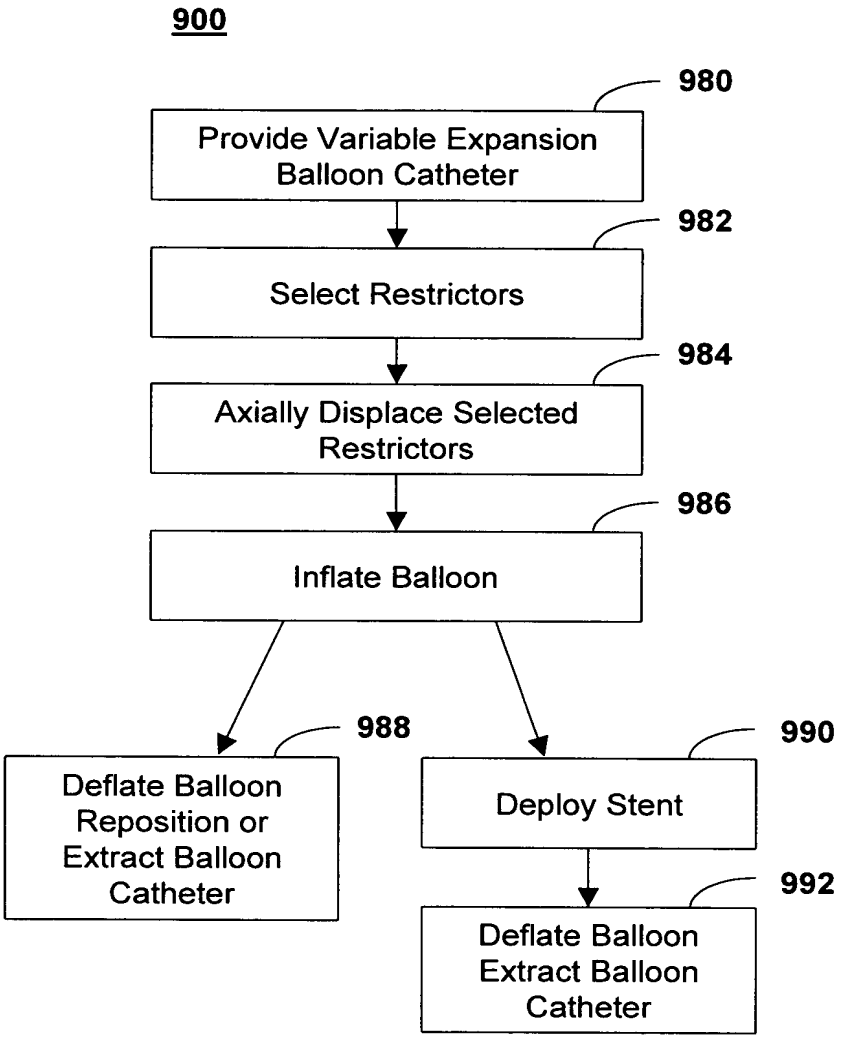

800
Stent Diameter (mm)
5.0
4.0
3.0
2.0
1.0
868
866
864
862
860
Undeployed Stent
Stent Diameter

FIG. 9


900
980
Provide Variable Expansion Balloon Catheter
982
Select Restrictors
984
Axially Displace Selected Restrictors
986
Inflate Balloon
988
Deflate Balloon Reposition or Extract Balloon Catheter
990
Deploy Stent
992
Deflate Balloon Extract Balloon Catheter